

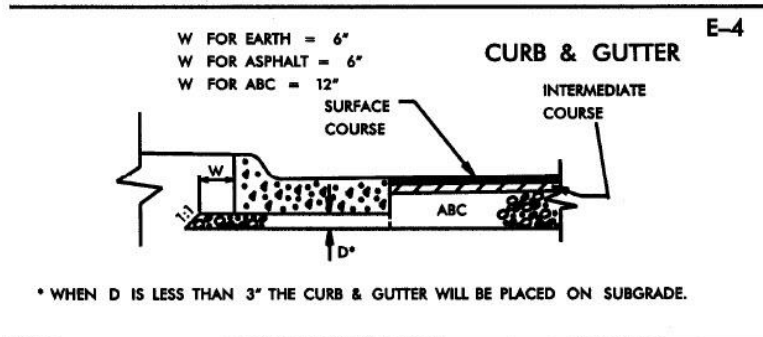
3_11 PAVEMENT LAYER UNDERNEATH SBG

Question:

1. How should I handle the ABC under shoulder berm gutter in corridor modeling? Please see the attached pdf showing a detail of the ABC under the SBG.
2. Project is trench section with SBG. Layers are S9.5B @ 3", I19.0B @ 2.5", and B25.0B @ 4". Design manual calls for SBG to sit on base if intermediate is less than 3" under SBG. How do we handle this with the CM Templates?

Answer:

Roadway Design Manual, Part I, 1-3E, E-4.



The two undivided facility shoulder templates (2-layers and 3-layers) have been modified to accommodate the pavement layer underneath SBG. Use the two new parametric constraints to control the SBG pavement layer depth and shelf width.

Parametric Constraints

Corridor: y15

Constraint Label: BR_Deck Depth

Start Value: -1.5000

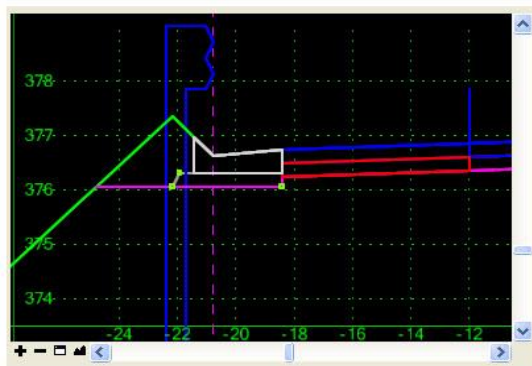
Stop Value: -1.5000

Station Limits: Start: 10+00.00, Stop: 27+29.56

Override Values:

Enabled	Name	Start Value	Stop Value	Start Station	Stop Station
X	SR_GR	25.0000	25.0000	10+00.00	27+29.56
X	SR_SBG	20.0000	20.0000	10+00.00	27+29.56
X	BR_Superstructure Depth	-3.5000	-3.5000	10+00.00	27+29.56
X	PV1_SBG Depth	-0.2500	-0.2500	10+00.00	27+29.56
X	PV1_SBG Shelf Width Out	0.5000	0.5000	10+00.00	27+29.56

Export... Import... Delete



Note the pavement layer depth underneath SBG can be zeroed out if it is less than three inches and to be placed on the subgrade line.